

## CLAIMS

- 1        A hinge assembly comprising a lever, a head piece on each end of the lever which each swivel on an axis, for mounting of the lever, two bodies of which each on the swiveling movement of an assigned head piece is rotatable around an axis of rotation, and two tension members which engage  
5        on the two head pieces at contact points on respectively different sides of a plane in which both axes of rotation lie.
- 2        Hinge assembly according to Claim 1, wherein the bodies on the respectively assigned head piece are rotatably coupled with the same transmission ratio and the contact points have the same distance from the plane.
- 3        Hinge assembly according to Claim 2, wherein at least one of the head pieces contains one of the bodies wound around with the contiguously connected tension members.
- 4        Hinge assembly according to Claim 3, wherein a wound around surface of the body is essentially circular or circular sector shaped.
- 5        Hinge assembly according to Claim 4, wherein the bodies are toothed gears.
- 6        Hinge assembly according to Claim 1, wherein the axis of the head piece coincides with the axis of rotation of the respective assigned body.
- 7        Hinge assembly according to Claim 1, wherein the tension members are connected continuously in an endless loop.

- 8 Hinge assembly according to Claim 1, wherein the body is rigidly connected with the assigned head piece.
- 9 Hinge assembly according to Claim 1, wherein the body is connected with the assigned head piece using a series of gears.
- 10 Hinge assembly according to Claim 9, wherein the series of gears is a planetary gear.
- 11 Hinge assembly according to Claim 1, wherein the tension members are chains.
- 12 Hinge assembly according to Claim 1, wherein the tension members are belts.
- 13 Hinge assembly according to Claim 1, wherein the lever is bent at least at one angle.
- 14 Hinge assembly according to Claim 13, further comprising diverting elements located on the angle for the tension members.
- 15 Hinge assembly according to Claim 1, wherein the lever is hollow and the tension members and the bodies are contained in it.
- 16 A vehicle door with a hinge assembly according to Claim 1, whereby the lever is mounted with a first of its head pieces on the door and arranged in such a manner that its first and second axes each coincide and a second of its head pieces on a side panel of a vehicle.
- 17 A vehicle door according to Claim 16, further comprising a horizontal orientation of the axes of rotation.